

Title (en)  
METHOD AND SLIDING SUPPORT FOR A PROFILOMETER

Publication  
**EP 0334912 B1 19930324 (FR)**

Application  
**EP 88907704 A 19880908**

Priority  
FR 8712582 A 19870909

Abstract (en)  
[origin: WO8902571A1] The movable support (5) is provided at its bottom surface with a pad (19) made of antifriction material and slides on a lapped reference surface (2). Said movable support comprises discharging jacks (8) which bear indirectly against the frame (8). The effort corresponding to the sum of the independent efforts of each jack must be lower than the effort exerted by the weight of the movable support and of its optional accessories, so as to minimize the difference between the sliding effort at the beginning and the friction effort of displacement in any direction on one plane and so as to limit, in the displacement referential X, Y, Z, the deviations of the geometrical positions of a sensor or of a tool. A motor (26) and a particular reducer drive said movable support in translation X. There is provided a second drive unit for a translation in the direction Y. By using as an accessory a micrometric displacement table and a follower, it is possible to take tridimensional profilometric measurements.

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**G01B 5/00**

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